

**INDIAN BUREAU OF MINES  
MINERALS DEVELOPMENT AND REGULATION DIVISION**

**Review and updation of Mining Plan REPORT**

**Nagpur regional office**

**Mine file No :** MP/MND/LST-3/NGP

**Mine code :** 38MPR51002

- (i) Name of the Inspecting : **G005** ) **SANJAY M. GIRHE**  
Officer and ID No.
- (ii) Designation : Regional Mining Geologist
- (iii) Accompanying mine :  
Official with  
Designation
- (iv) Date of Inspection : 21-MAY-22
- (v) Prev.inspection date : 10-FEB-18

**PART-I : GENERAL INFORMATION**

- 1. (a) **Mine Name** : **KANDKA (5.00 HA,)**
- (b) **Registration NO.** :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address :  
State : MADHYA PRADESH  
District : NIMACH  
Village : KANDKA  
Taluka : JAWAD  
Post office :  
Pin Code : 458441  
FAX No. :  
E-mail :  
Phone :
- (f) Police Station :
- (g) First opening date : 29-DEC-09
- (h) Weekly day of rest :
- 2. Address for :  
correspondance
- 3. (a) Lease Number : MPR1900
- (b) Lease area : 5
- (c) Period of lease : 50
- (d) Date of Expiry : 23-MAR-49
- 4. Mineral worked :

5. Name and Address of the

Lessee : SHRI RAGHURAJ SINGH CHOURDIA  
S/O SHRI FATEH SINGH  
CHOURDIA NIMACH NIMACH  
MADHYA PRADESH  
Phone:  
FAX :

6. Date of approval of Mining : Fresh under rule 22 MCR1960 27-NOV-96  
Plan/Scheme of Mining Mining Scheme rule 12 MCDR1988 28-JUN-13

## PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Exploration was proposed by 05 boreholes during the year 2017-18 & 2019-20	Nil	Mine was non-operational since long back & no production has been reported since 2016 as per annual and monthly returns submitted online.
1b	Exploration over lease area for geological axis 1 or 2	Exploration was proposed by 05 boreholes during the year 2017-18 & 2019-20	Nil	Mine was non-operational since long back & no production has been reported since 2016 as per annual and monthly returns submitted online.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Exploration was proposed by 05 boreholes during the year 2017-18 & 2019-20	Nil	Nil
1d	Balance area to be explored to bring Geological axis in 1 or 2	Exploration was proposed by 05 boreholes during the year 2017-18 & 2019-20	Nil. Entire area was furnished under G1 level on the basis of old working pits	Mine was non-operational since long back & no production has been reported since 2016 as per annual and monthly returns submitted online.
1e	Balance reserve as on 01/04/20	Reserves in Tonnes Proved(111) - 2385205 Resources in Tonnes Pre-Feasibility(22): 1406295 As per Review of Mining Plan approved on 14.03.2018	Reserves in Tonnes Proved(111) - 2385205 Resources in Tonnes Pre-Feasibility(22): 1406295 As per Review of Mining Plan approved on 14.03.2018	Mine was non-operational since long back & no production has been reported since 2016 as per annual and monthly returns submitted online.

1f	General remarks of inspecting officers on geology, exploration etc	NA	NA	Limestone of the ML area belongs to Nimbahera formation of Vindhyan super group. The strike of the limestone formation is NW-SE & Dip is 8 to 15 degree towards west. The avg. quality of limestone in the lease area reported as cement grade.
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Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	It was proposed to work in between 480956 to 480990 & 2714132N to 2714230 from 480mRL to 467mRL as earmarked in 3C Plate for the year 2021-22	Nil	Mine was non-operational since long back & no production has been reported since 2016 as per annual and monthly returns submitted online.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	In OB bench height of 1M & 6M in limestone were proposed.	Nil	Mine was non-operational since long back & no production has been reported since 2016 as per annual and monthly returns submitted online.

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2c	Stripping ratio or ore to OB ratio	1: 0.43 CuM/Tonne	Nil	Mine was non- operational since long back & no production has been reported since 2016 as per annual and monthly returns submitted online.
2d	Quantity of topsoil generation in m3	Not Proposed	Nil	Nil
2e	Quantity of overburden generation in m3	7600 CuM	Nil	Mine was non- operational since long back & no production has been reported since 2016 as per annual and monthly returns submitted online.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	NA	NA	Previous mining lease area was worked out by open pits. Total 04 to 05 old working pits were observed during inspection and limestone mineralisation were proved up to 5 to7m. Mine was non-operational since long back & no production has been reported since 2016 as per annual and monthly returns submitted online.

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Exploitation:

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Sl.No.	Item	Propasals	Actual work	Remarks
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3a	Number of pit proposed for production	Single pit	Nil	Mine was non-operational since long back & no production has been reported since 2016 as per annual and monthly returns submitted online.
3b	Quantity of ROM mineral production proposed	249500 Tonnes limestone production during the year 2021-22	Nil	Mine was non-operational since long back & no production has been reported since 2016 as per annual and monthly returns submitted online.
3c	Recovery of sailable/usable mineral from ROM production	About 90% recovery from ROM proposed	Nil	Mine was non-operational since long back & no production has been reported since 2016 as per annual and monthly returns submitted online.
3d	Quantity of mineral reject generation	Total 11089 CuM as per approved ROMP dtd 14.03.2018	Nil	Mine was non-operational since long back & no production has been reported since 2016 as per annual and monthly returns submitted online.
3e	Grade of mineral rejects generation and threshold value declared.	Above threshold & below cut-off	Nil	Nil
3f	Quantity of sub grade mineral generation.	Not Proposed	Nil	Nil
3g	Grade of sub grade mineral generation	Not Proposed	Nil	Nil

3h	Manual / Mechanised method adopted for segregating from ROM	Manual sizing & sorting proposed	Nil	Mine was non- operational since long back & no production has been reported since 2016 as per annual and monthly returns submitted online.
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not Proposed	Nil	Nil
3j	Provision of drilling and blasting in mineral benches	32mm by jack hammer proposed	Nil	Nil
3k	Provision of mining machineries in mineral benches	Excavator, 120HP, 1.50Cum capacity TATA Dumper model 2515, 17 T capacity Tractor mounted Air Compressor Jack Hammer with Drill rods Rock Breaker- 01 Water pump with Diesel engine	Excavator, 120HP, 1.50Cum capacity TATA Dumper model 2515, 17 T capacity Tractor mounted Air Compressor Jack Hammer with Drill rods Rock Breaker- 01 Water pump with Diesel engine	Mine was non- operational since long back & no production has been reported since 2016 as per annual and monthly returns submitted online.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Bench height of 3m in OB bench & 6M in limestone proposed	Nil	Mine was non- operational since long back & no production has been reported since 2016 as per annual and monthly returns submitted online.

3m	Total area covered under excavation/pits	1.52 Ha	Nil	Mine was non-operational since long back & no production has been reported since 2016 as per annual and monthly returns submitted online.
3n	Ore to OB ratio for the pit/mine during the year.	1:0.43 CuM/Tone	Nil	Mine was non-operational since long back & no production has been reported since 2016 as per annual and monthly returns submitted online.
3o	Total area put in use under different heads at the end of year	Pit area- 3.10Ha Top soil- 0.04Ha OB dumps- 0.14Ha Road-0.044Ha	Nil	Mine was non-operational since long back & no production has been reported since 2016 as per annual and monthly returns submitted online.
3p	Production of ROM mineral during the last five year period as applicable	2018-19-: 180270 MT 2019-20-: 201250 MT 2020-21-: 210120 MT 2021-22-: 249500 MT	2018-19-: Nil 2019-20-: Nil 2020-21-: Nil 2021-22-: Nil	Mine was non-operational since long back & no production has been reported since 2016 as per annual and monthly returns submitted online.
3q	General remarks of inspecting officers on method of mining etc.	NA	NA	Mine was non-operational since long back & no production has been reported since 2016 as per annual and monthly returns submitted online.

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Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
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4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	OB proposed for backfilling toward north-eastern side in 7.5m barrier zone	Nil	Mine was non-operational since long back & no production has been reported since 2016 as per annual and monthly returns submitted online.
4b	Location of topsoil, OB and mineral reject dumps	OB proposed for backfilling toward north-eastern side in 7.5m barrier zone	Nil	Nil
4c	Number of dumps within lease area and outside of lease area	Three OB dumps within ML area	Three OB dumps within ML area	Mine was non-operational since long back & no production has been reported since 2016 as per annual and monthly returns submitted online.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Three OB dumps within ML area	Three OB dumps within ML area	Mine was non-operational since long back & no production has been reported since 2016 as per annual and monthly returns submitted online.
4e	Number of active and alive dumps.	Not Proposed	Nil	Nil
4f	Number of dead dumps.	NA	NA	Mine was non-operational since long back & no production has been reported since 2016 as per annual and monthly returns submitted online.

4g	Number of dumps established.	NA	NA	Mine was non-operational since long back & no production has been reported since 2016 as per annual and monthly returns submitted online.
4h	Whether Retaining wall or garland drain all along dumps are there.	Not Proposed	Nil	Mine was non-operational since long back & no production has been reported since 2016 as per annual and monthly returns submitted online.
4i	Length of Retaining wall or garland drain all along dumps	Not Proposed	Nil	Nil
4j	Number of settling ponds	Not Proposed	Nil	
4k	Specific comments of inspecting officer on waste dump management	NA	NA	Mine was non-operational since long back & no production has been reported since 2016 as per annual and monthly returns submitted online.

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Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	Backfilling was proposed in 7.5m barrier zone towrds northern side.	Nil	Mine was non-operational since long back & no production has been reported since 2016 as per annual and monthly returns submitted online.

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5b	Area under backfilling of mined out area	NA	NA	Mine was non-operational since long back & no production has been reported since 2016 as per annual and monthly returns submitted online.
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Not Proposed	Nil	Mine was non-operational since long back & no production has been reported since 2016 as per annual and monthly returns submitted online.
5d	Total area fully reclaimed and rehabilitated	NA	NA	Mine was non-operational since long back & no production has been reported since 2016 as per annual and monthly returns submitted online.
5e	General remarks of inspecting officers on backfilling and reclamation etc.	NA	NA	Mine was non-operational since long back & no production has been reported since 2016 as per annual and monthly returns submitted online.

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#### Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Not submitted	Mine was non-operational since long back & no production has been reported since 2016 as per annual and monthly returns submitted online.	Mine was non-operational since long back & no production has been reported since 2016 as per annual and monthly returns submitted online.

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6b	Area available for rehabilitation (ha) .	Not Proposed	Nil	Mine was non-operational since long back & no production has been reported since 2016 as per annual and monthly returns submitted online.
6c	afforestation done (ha) .	NA	NA	Mine was non-operational since long back & no production has been reported since 2016 as per annual and monthly returns submitted online.
6d	No. of saplings planted during the year	Nil	Nil	Mine was non-operational since long back & no production has been reported since 2016 as per annual and monthly returns submitted online.
6e	Cumulative no .of plants	NA	NA	Nil
6f	Any other method of rehabilitation	Not Proposed	Nil	Nil
6g	Cost incurred on watch and care during the year	Not Proposed	Nil	Nil
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	Not Proposed	Nil	Nil

6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Not Proposed	Nil	Mine was non-operational since long back & no production has been reported since 2016 as per annual and monthly returns submitted online.
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	Not Proposed	Nil	
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Not Proposed	Nil	
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	Not Proposed	Nil	
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	Not Proposed	Nil	
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	Not Proposed	Nil	
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	Not Proposed	Nil	

6p	Compliance of environmental monitoring (core zone and buffer zone)	Periodical Air, Water, Noise monitoring Proposed	Nil	Mine was non-operational since long back & no production has been reported since 2016 as per annual and monthly returns submitted online.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	NA	NA	Mine was non-operational since long back & no production has been reported since 2016 as per annual and monthly returns submitted online.

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#### Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	249500 Tonne proposed during the year 2021-22	Nil	Mine was non-operational since long back & no production has been reported since 2016 as per annual and monthly returns submitted online.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual sizing & sorting proposed	Nil	Mine was non-operational since long back & no production has been reported since 2016 as per annual and monthly returns submitted online.
7c	Different grade of mineral sorted out at mines.	Proposed for high grade & low grade limestone sorting	Nil	Mine was non-operational since long back & no production has been reported since 2016 as per annual and monthly returns submitted online.

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7d	Any beneficiation process at mines .	Not Proposed	Nil	Nil
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	NA	NA	Mine was non-operational since long back & no production has been reported since 2016 as per annual and monthly returns submitted online.

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**Environment:**

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Not Proposed	Nil	Mine was non-operational since long back & no production has been reported since 2016 as per annual and monthly returns submitted online.
8b	Concurrent use or storage of topsoil	Not Proposed	Nil	Nil
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Concurrent use of OB for backfilling was proposed	Nil	Mine was non-operational since long back & no production has been reported since 2016 as per annual and monthly returns submitted online.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Concurrent use of OB for backfilling was proposed	Nil	

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8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Concurrent use of OB for backfilling was proposed		
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	NA	NA	Mine was non-operational since long back & no production has been reported since 2016 as per annual and monthly returns submitted online.
8g	Survival rate	Proposed as 60%	Nil	Mine was non-operational since long back & no production has been reported since 2016 as per annual and monthly returns submitted online.
8h	Water sprinkling on roads to control airborne dust	Water sprinkling was proposed by water tanker	Nil	Mine was non-operational since long back & no production has been reported since 2016 as per annual and monthly returns submitted online.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	NA	NA	Mine was non-operational since long back & no production has been reported since 2016 as per annual and monthly returns submitted online.

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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	Annul return for the year 2021-22 not subitted	Annul return for the year 2021-22 not subitted	Mine was non-operational since long back & no production has been reported since 2016 as per annual and monthly returns submitted online.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Annul return for the year 2021-22 not subitted	Annul return for the year 2021-22 not subitted	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Annul return for the year 2021-22 not subitted	Annul return for the year 2021-22 not subitted	Mine was non-operational since long back & no production has been reported since 2016 as per annual and monthly returns submitted online.
9d	Scrutiny of Annual return on afforestation	Annul return for the year 2021-22 not subitted	Annul return for the year 2021-22 not subitted	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Annul return for the year 2021-22 not subitted	Annul return for the year 2021-22 not subitted	Mine was non-operational since long back & no production has been reported since 2016 as per annual and monthly returns submitted online.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Annul return for the year 2021-22 not subitted	Annul return for the year 2021-22 not subitted	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Annul return for the year 2021-22 not subitted	Annul return for the year 2021-22 not subitted	Mine was non-operational since long back & no production has been reported since 2016 as per annual and monthly returns submitted online.

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9h	Scrutiny of Annual return on fixed assets	Annul return for the year 2021-22 not subitted	Annul return for the year 2021-22 not subitted	
9k	Scrutiny of Annual return on mining machineries	Annul return for the year 2021-22 not subitted	Annul return for the year 2021-22 not subitted	Mine was non-operational since long back & no production has been reported since 2016 as per annual and monthly returns submitted online.

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**Details of violations observed during current inspection and compliance position of violation pointed out**

Violation observed			Show cause position		
Rule NO.	Issued on	Compliance on	Rule NO.	Issued on	Compliance on

**Date :**

**(SANJAY M. GIRHE)**

Indian Bureau of Mines